

norma

precision for high demands.



**Ammunition for
hunting and shooting**



Norma

- at the hunting's and the marksman's service since 1902.

Norma has been manufacturing ammunition in the beautiful Värmland since 1902, when two Norwegian brothers launched the activity in Åmotfors. Through the years, we have been producing ammunition for both military and civil use. But today we dedicate maximum concentration to civil production. The long experience of ammunition manufacturing, has given the Norma personnel a professional skill that's quite unique. Most of our co-workers are hunters and marksmen themselves and are therefor well familiar with the high demands that every user of hunting- and shooting ammunition has.

The manufacturing facility in Åmotfors is a very scientifically designed operation and allows a flexible production, wich can be easily adjusted to the market's fluctuating needs. The supervision of the production is extensive, with a number of controls and measurments in the production flow. Each cartridge goes through more than 30 quality control inspection stations before it's approved and ready for delivery. A certain number of the finished cartridges are consumed at our own shooting-ranges, so that we can check the ballistic qualities as well as the effectiveness.

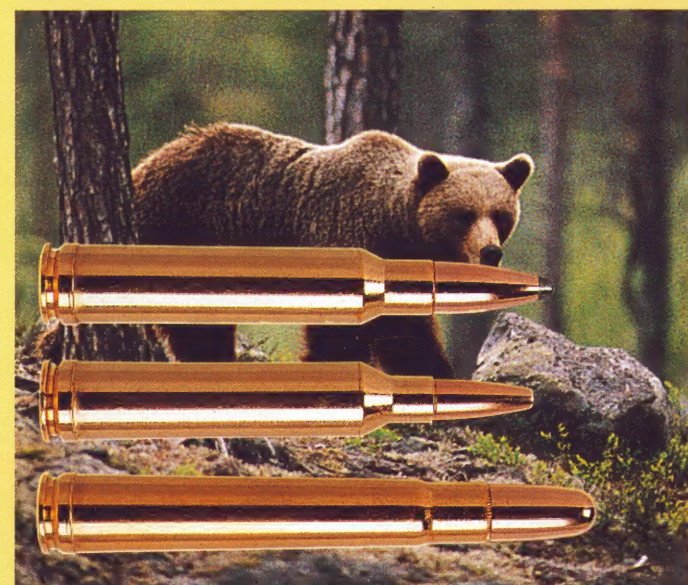
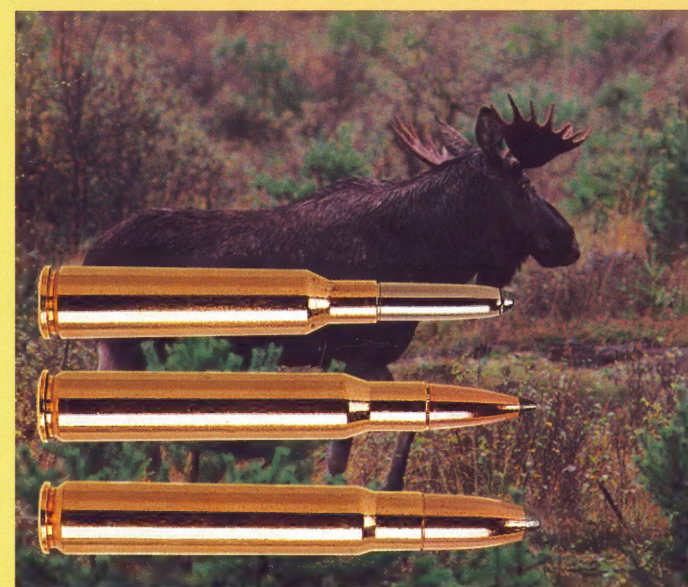
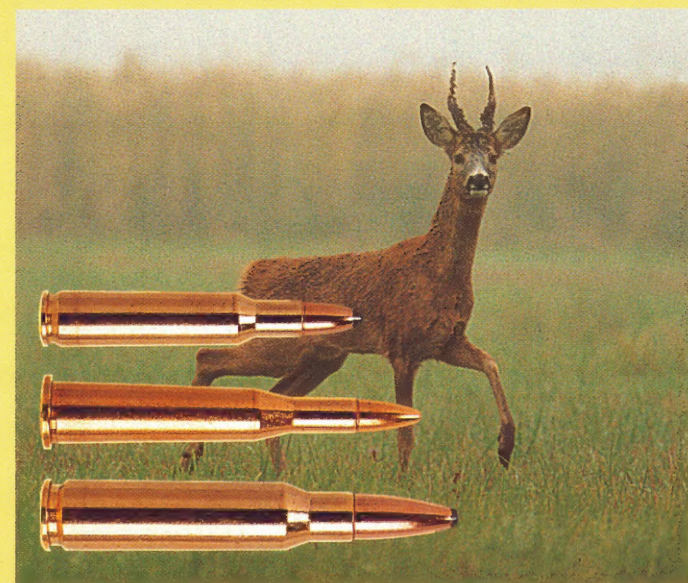
Norma of today, is one of Europe's leading manufactures of civil ammunition. Our product are to be found in any situation involving hunting and shooting. We are represented in all parts of the world, with an extensive distribution network of competent and serviceminded wholesale dealers, importers and retailers.

Our business charter puts quality in the seat of honour.

Norma has a reputation of reliability and precision, only because our products are designed to have the best function and accuracy possible. We have a reputation to be proud of and we are going to keep it by providing our clients with superior products and first class service.

BUSINESS CHARTER
"Norma shall develope, manufacture and sell ammunition for hunting and shooting. Our products shall have the highest quality and be superior in accuracy and effectivness."

Hunting



Calibre Bullet style/Ref. no. Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.	Calibre Bullet style/Ref. no. Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.220 Swift Soft point/15701 3,2 g/50 gr.	4019	1252	.18	7x61 S&H Soft point/17011 10,0 g/154 gr	3061	2737	.41
.222 Rem Soft point/15711 3,2 g/50 gr	3248	805	.18	7 mm Rem Mag Soft point/17021 10,0 g/154 gr	3182	2960	.41
.222 Rem Full jacket/15713 3,2 g/50 gr	2789	593	.19	7 mm Rem Mag Vulkan/17024 11,0 g/170 gr	3018	2845	.35
.222 Rem Soft point/15716 4,0 g/62 gr	2821	787	.21	7x64 Soft point/17013 10,0 g/154 gr	2821	2320	.42
.22-250 Soft Point/15733 3,4 g/53 gr	3707	1218	.23	7x64 Vulkan/17018 11,0 g/170 gr	2756	2362	.35
5,6x52R Soft point 4,6 g/71 gr	2789	943	.26	7x65 R Vulkan/17029 11 g/170 gr	2658	3137	.35
5,6x52R Full jacket/15605 4,6 g/71 gr	2789	943	.26	.280 Rem Soft point/17050 10,0 g/154 gr	2871	2408	.42
.243 Win Full jacket/16002 6,5 g/100 gr	3100	1777	.35	.280 Rem Vulkan/17051 11,0 g/170 gr	2707	2275	.35
.243 Win Soft point/16003 6,5 g/100 gr	3100	1779	.35	7,5x55 Swiss Soft point/17511 11,7 g/180 gr	2651	2370	.40
6,5 Jap. Soft point/16531 9,0 g/139 gr	2362	1441	.41	7,62 Russian Soft point/17637 9,7 g/150 gr	2953	2285	.28
6,5 Jap. Soft point/16532 10,1 g/156 gr	2067	1160	.32	7,62 Russian Soft point/17634 11,7 g/180 gr	2575	2230	.40
6,5 Carcano Soft point/16537 9,0 g/139 gr	2575	1725	.41	.300 Win Mag Soft point/17680 11,7 g/180 gr	3018	3099	.40
6,5 Carcano Soft point/16535 10,1 g/100 gr	2428	1628	.32	.300 Win Mag Vulkan/17644 13,0 g/200 gr	2887	3067	.33
6,5x55 Soft point/16553 9,0 g/139 gr	2526	1657	.41	.30-06 Soft point/17643 9,7 g/150 gr	2986	2338	.28
6,5x55 Vulkan/16558 9,0 g/139 gr	2854	2036	.32	.30-06 Soft point/17648 11,7 g/180 gr	2789	2361	.25
6,5x55 Nosler/16559 9,1 g/140 gr	2789	2094	.46	.30-06 Nosler/17649 11,7 g/180 gr	2789	2665	.43
6,5x55 Soft point/16552 10,1 g/156 gr	2644	1947	.32	.30-06 Vulkan/17659 11,7 g/180 gr	2789	2499	.31
6,5x55 Vulkan/16556 10,1 g/156 gr	2644	1985	.35	.30-06 Soft point/17682 11,7 g/180 gr	2461	2030	.40
.270 Win Soft point/16902 8,4 g/130 gr	3140	2354	.35	.30-06 Vulkan/17684 13,0 g/200 gr	2641	2533	.34
.270 Win Soft point/16903 9,7 g/150 gr	2799	2164	.37	.30-30 Win Soft point/17630 9,7 g/150 gr	2379	1394	.25
7x57 Soft point/17002 10,0 g/154 gr	2690	2106	.42	.308 Win Soft point/17624 9,7 g/150 gr	2887	2180	.28
7x57R Full jacket/17006 9,7 g/150 gr	2690	2058	.50	.308 Win Nosler/17635 11,7 g/180 gr	2641	2386	.44
7x57R Soft point/17005 10,0 g/154 gr	2625	2001	.42				

Hunting

Calibre	Bullet style/Ref. no	Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.308 Win	Soft point/17636	11,7 g/180 gr	2641	2106	.25
.308 Win	Vulkan/17660	11,7 g/180 gr	2641	2222	.30
.308 Win	Soft point/17681	11,7 g/180 gr	2461	2030	.40
.308 Win	Vulkan/17683	13,0 g/200 gr	2461	2178	.34
.308 Norma Mag	Soft point/17638	11,7 g/180 gr	3018	3099	.40
.308 Norma Mag	Vulkan/17650	13,0 g/200 gr	2903	3067	.33
7,65 Arg	Soft point/17701	9,7 g/150 gr	2661	1893	.32
7,65 Arg	Soft point/17702	11,7 g/180 gr	2592	2284	.42
.303 British	Soft point/17712	9,7 g/150 gr	2723	1974	.31
7,7 Jap	Soft point/17721	8,4 g/130 gr	2953	1993	.29
7,7 Jap	Soft point/17722	11,7 g/180 gr	2493	2105	.42
8x57 JS	Soft point/18003	12,7 g/196 gr	2526	2192	.30

Calibre	Bullet style/Ref. no	Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
8x57 JS	Vulkan/18020	12,7 g/196 gr	2526	2255	.34
8x57 JRS	Alaska/18018	12,7 g/196 gr	2395	1968	.30
.338 Win Mag	Nosler/18502	16,2 g/250 gr	2657	3389	.47
.358 Norma Mag	Woodleigh/19005	16,2 g/250 gr	2799	3621	.37
.358 Norma Mag	Soft point/19004	16,2 g/250 gr	2799	3345	.26
9,3x57	Vulkan/19305	15,0 g/232 gr	2329	2121	.27
9,3x57	Soft point/19303	18,5 g/286 gr	2067	2183	.36
9,3x62	Vulkan/19317	15,0 g/232 gr	2625	2732	.27
9,3x62	Soft point/19315	18,5 g/286 gr	2362	2889	.36
9,3x74R	Vulkan/19321	15,0 g/232 gr	2625	2732	.27
9,3x74R	Soft point/19320	18,5 g/286 gr	2362	2889	.36
.375 H&H	Soft point/19502	19,5 g/300 gr	2549	3260	.25



Weatherby Magnum



Calibre	Bullet style/Ref. no	Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.224 WM Norma	Soft point/15740	3,4 g/53 gr	3652	1181	.23
.240 WM Norma	Soft point/16020	6,5 g/100 gr	3392	2087	.31
.257 WM Norma	Soft point/16506	6,5 g/100 gr	3652	2440	.32
.257 WM Norma	Soft point/16507	7,6 g/117 gr	3402	2222	.21
.270 WM Norma	Soft point/16909	8,4 g/130 gr	3419	2805	.35
.270 WM Norma	Soft point/16910	9,7 g/150 gr	3284	3009	.37
7 mm WM Norma	Soft point/17037	9,7 g/150 gr	3258	3122	.42
7 mm WM Norma	Vulkan/17038	11,0 g/170 gr	3100	2934	.35

Calibre	Bullet style/Ref. no	Bullet weight g/gr	V ₀ f/sec	E ₁₀₀ f. pound	Ball. coef.
.300 WM Norma	Soft point/17670	9,7 g/150 gr	3599	3464	.29
.300 WM Norma	Vulkan/17671	11,7 g/180 gr	3300	3551	.31
.340 WM Norma	Soft point/18605	13,0 g/200 gr	3258	4027	.40
.340 WM Norma	Woodleigh/18606	16,2 g/250 gr	2999	3784	.24
.378 WM Norma	Woodleigh/19515	19,5 g/300 gr	2926	4615	.31
.416 WM Norma	Woodleigh/11067	26,6 g/410 gr	2690	5952	.26
.460 WM Norma	Woodleigh/11160	32,4 g/500 gr	2575	5247	.21

Our bullet types



Soft point

A well designed all-purpose bullet. It ensures good penetration even at long distances. The bullet delivers good mushrooming even on small game. Soft point is an extremely good all-round bullet for small and medium game.



Nosler

An american manufactured bullet with two lead cores. The cores are separated by a partition, the fron core consisting of soft lead allowing a rapid mushrooming, and the rear core of lead alloy retaining its shape even after impact. The design secures a high penetration even in bone.



Alaska

A very stable trajectory. It gives a moderate expansion but good mushrooming. The jacket is reinforced in the rear part. Alaska is a superb bullet for medium and heavy game.



Vulkan

Reinforced by the folded front of the jacket which delays expansion until the bullet has penetrated deeply. The bullet penetrates deeper before the mushrooming occurs. When expansion starts, however, it rapidly reaches double the diameter. This ensures excellent internal energy transfer, even on heavy game. Vulkan have an "Internal locking of the lead" which secures a high rest weight even on hitting bone.



Jaktmatch

- ammunition for practising



Calibre	Bullet type	Bullet weight g/grains	V ₀ f/sec	Ball. coef.
.22 Long Rifle	Lead round nose/15612	2,6 g/40 gr	1066	-
.222 Rem	Full jacket/15715	3,2 g/50 gr	3248	.19
6,5x55	Full jacket/16524	5,2 g/80 gr	2969	.16
6,5x55	Hollow point/16527	6,5 g/100 gr	2625	.35
6,5x55 Elektron	Full jacket/16525	9,0 g/139 gr	2526	.58
7 mm Rem Mag	Full jacket/17026	9,7 g/150 gr	2995	.44
.30-06	Full jacket/17651	9,5 g/146 gr	2772	.42
.308 Win	Full jacket/17622	9,5 g/146 gr	2657	.44
8x57 JS	Full jacket/18009	8,0 g/123 gr	2821	.19
9,3x57	Full jacket/19306	15,0 g/232 gr	2215	.38
9,3x62	Full jacket/19318	15,0 g/232 gr	2510	.38

Sport Shooting



Rifle cartridges			
Calibre/Product name Bullet style/Ref. no	Bullet weight gram/grain	V ₀ f/sec	Ball. coef.
6,5x55 - New Silvertorped Hollow point/16512	9,0 g/139 gr	2624	.51
6,5x55 - Banelit Hollow point/16517	9,0 g/139 gr	2624	.51
6,5x55 - Fältelit Hollow point/16520	9,0 g/139 gr	2788	.51
6,5x55 - Ban VLD Hollow point/16519	8,4 g/130 gr	2690	.50
6,5x55 - Fält VLD Hollow point/16518	8,4 g/130 gr	2887	.59
6,5x55 - Rifle Sport Cartridge Hollow point/16529	6,5 g/100 gr	2625	.35
.308 Win - Match Hollow point Sierra/17679	10,9 g/168 gr	2549	.47
.308 Win - Match Hollow point Sierra/17626	12,3 g/190 gr	2559	.56
Rifle bullets			
6,5 mm Tombak/66516	9,0 g/139 gr		.58
6,5 mm Hollow point (Elit)/66517	9,0 g/139 gr		.51
6,5 mm Hollow point VLD/66507	8,4 g/130 gr		.59
.22 Long Rifle			
Norma 1 Lead, round nose/15613	2,6 g/40 gr		1066
Norma 2 Lead, round nose/15614	2,6 g/40 gr		1066
Norma 3 Lead, round nose/15615	2,6 g/40 gr		1066
Gunpowder			
	Canister		
Rifle sport gunpowder 1220 93220	500 g		
Rifle sport gunpowder 1225 93225	500 g		
Rifle sport gunpowder 1230 93230	500 g		

Pistol- and revolverammunition

Calibre Bullet style/Ref. no Bullet weight g/grains	V ₀ f/sec	E ₁₀₀ f. pound	Calibre Bullet style Bullet weight g/grain	V ₀ f/sec	E ₁₀₀ f. pound
.32 ACP Full jacket round nose/17614 5,0 g/77 gr	899	122	.357 Magnum Soft point flat nose/19107 10,2 g/158 gr	1214	374
.32 S&W Long Lead, wadcutter/17810 6,4 g/98 gr	787	102	.38 Special Security cartridges/19131 8,1 g/125gr	1033	236
9 mm Luger Hollow point/19021 7,4 g/115 gr	1165	236	.38 Special Lead, wadcutter/19110 9,6 g/148 gr	705	138
9 mm Luger Soft point flat nose/19026 7,5 g/116 gr	1165	235	.38 Special Lead, round nose/19112 10,2 g/158 gr	755	174
9 mm TC Auto/19036 8 g/123 gr	1280	249	.38 Special Full jacket semi wc/19114 10,2 g/158 gr	804	198
9 mm TC Luger/19035 8 g/123 gr	1099	215	.38 Special Soft point flat nose/19124 10,2 g/158 gr	804	195
.357 Magnum Security cartridges/19104 8,1 g/125 gr	1673	490	10 mm Auto Hollow point/11002 11,0 g/170 gr	1299	407
.357 Magnum Hollow point/19101 10,2 g/158 gr	1214	374	10 mm Auto Truncated cone/11001 13,0 g/200 gr	1115	427
.357 Magnum Full jacket semi wc/19106 10,2 g/158 gr	1214	368	.44 Magnum Power Cavity/11103 15,6 g/240 gr	1280	591

Competition ammunition



Powders		
Powder type	Ref. no	Canister
200 Norma	93200-5	500 g
201 Norma	93201-5	500 g
202 Norma	93202-5	500 g
204 Norma	93204-5	500 g
MRP Norma	93215-5	500 g
R-1 Norma	91101-5	250 g
R-123 Norma	91123-5	250 g
Cases		
Calibre	Ref. no	Pcs/box
.222 Rem	25711	20
.22-250	25731	20
.243 Win	26001	20
6,5x55	26551	20
.270 Win	26901	20
7x57R	27004	20
7x61 Super	27011	20
7x64	27012	20
.280 Rem	27050	20
7 mm Rem Mag	27021	20
.308 Win	27623	20
.30-30 Win	27630	20
.308 Norma Mag	27637	20
.30-06	27640	20
.300 Win Mag	27666	20
.303 British	27711	20
.32 S&W Long	27811	50
8x57 JS	28001	20
.338 Win Mag	28504	20
.358 Norma Mag	29001	20
9 mm Luger	29021	50
.357 Magnum	29101	50
.38 Special	29110	50
9,3x57	29301	20
9,3x62	29311	20
9,3x74R	29321	20
.375 H&H	29501	20
10 mm auto	21001	50
.44 magnum	21101	50
Cases Weatherby Mag		
Calibre	Ref. nr	Pcs/box
.224 WM Norma	25740	20
.240 WM Norma	26020	20
.257 WM Norma	26502	20
.270 WM Norma	26912	20
7 mm WM Norma	27032	20
.300 WM Norma	27660	20
.340 WM Norma	28602	20
.378 WM Norma	29512	20
.416 WM Norma	21065	20
.460 WM Norma	21160	20

Reloading



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*We retain the right to alter any
product specifications and
appearance without notice.*

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precision for high demands.



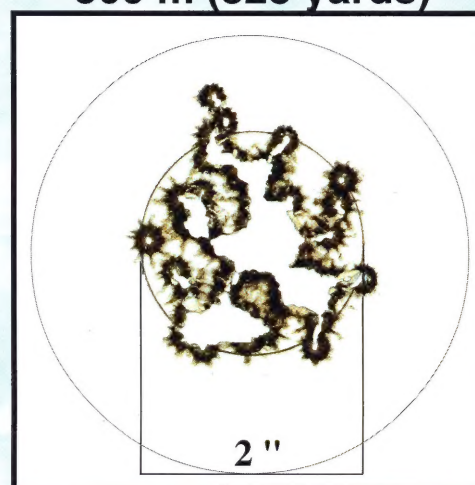
6 mm Norma BR is a new Diamond Line long range cartridge, designed as an extreme accuracy cartridge. The coated bullet reduces friction and fouling while decreasing barrel wear.

This cartridge has very mild recoil while winddrift is about 20 % less than the .308 Winchester.

Shooters have given this cartridge wide publicity in their appreciation of the superior performance.

6 mm Norma BR is definitely here to stay.

**60 shot Test target
300 m (328 yards)**



This test target is shot at 300 m (328 yards) with the first factory loaded batch. 58 of the 60 shots are "Inner Tens". The diameter of the inner circle is 2 inches.



Technical data

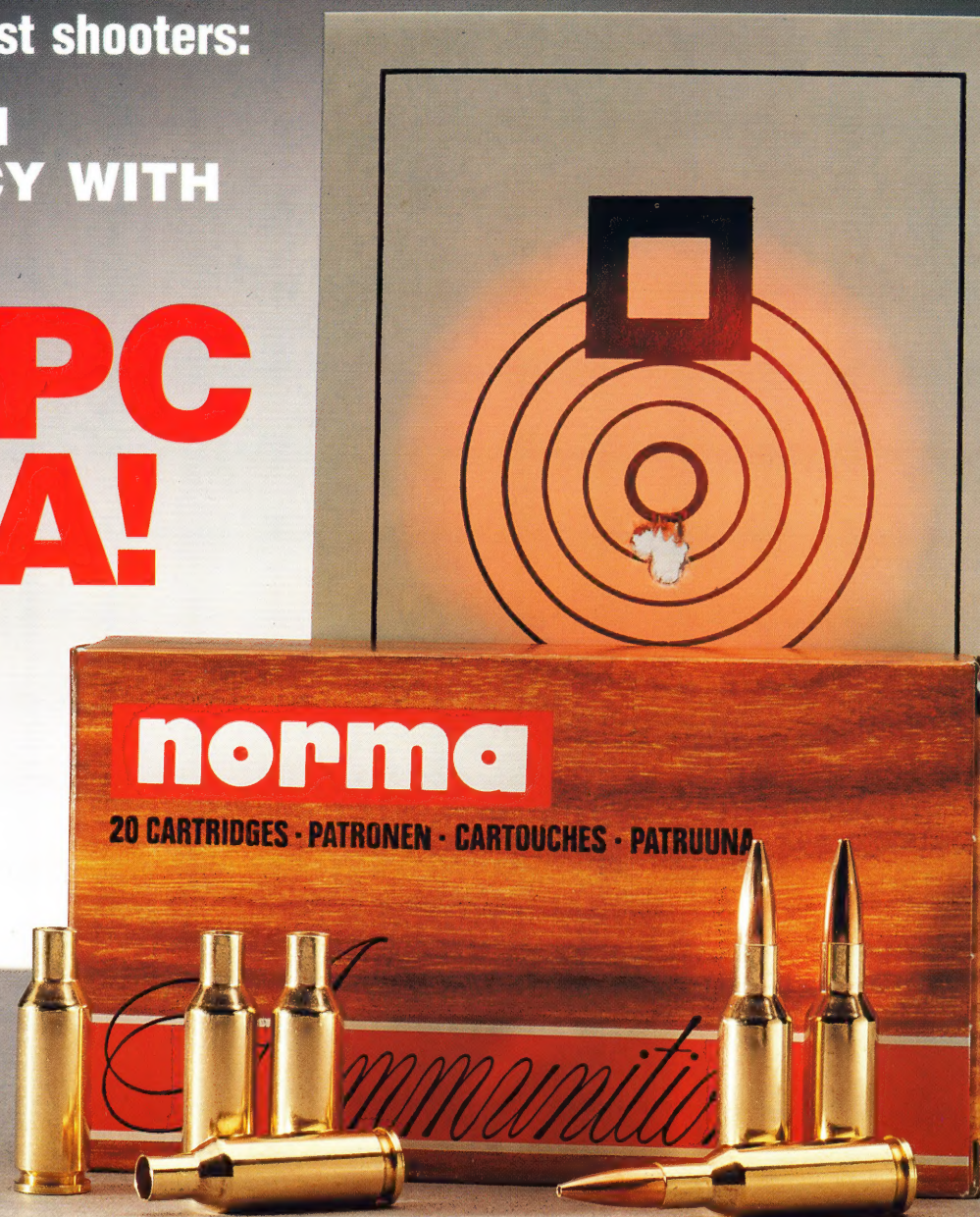
Velocity	2822 fps
Bullet	Sierra 107 gr. Diamond Line
O.A.L	2.37 inches
Pressure	55100 psi (inside case)
Powder	New Norma 203
Powd. weight	30.8 gr

- ✓ Reduces pressure
- ✓ Reduces friction
- ✓ Reduces fouling
- ✓ Makes cleaning easier
- ✓ Enhanced accuracy
- ✓ Decreases barrel wear

For bench rest shooters:

**MAXIMUM
ACCURACY WITH
NORMA**

**6 PPC
USA!**



The famous PPC (Pindell-Palmisano Corporation) case is now produced by Norma.

This case was developed to give maximum accuracy for bench rest shooters. More than 90% of all world records in bench rest shooting has been shot with this case. It has totally dominated accuracy shooting up to 200 meters for the last 15 years.

- Norma now produces PPC cases in co-operation with Dr Louis Palmisano, which is a guarantee for matching quality demands.
- The case is considerably harder than normal cases in order to minimize stretching.
- Flash hole is only 1.6 mm which ensures good ignition of the powder.
- Variation in case wall thickness is held to a minimum.
- No other PPC case on the market has higher volume than ours.
- For handloaders we recommend Norma 201 powder – the most preferred powder by bench rest shooters.

Cases and loaded ammunition are available in .22 PPC USA and 6 PPC USA. Sierra Match Kings in 52 grains and 70 grains are used.

norma

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